Device Modeling Report

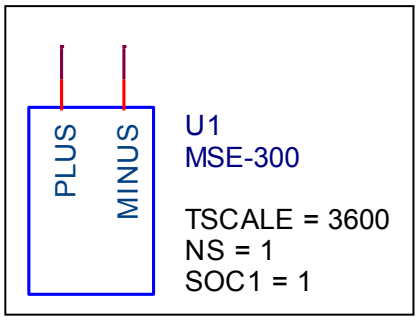
COMPONENTS: Lead-Acid Battery
PART NUMBER: MSE-300
MUNUFACTURER: GS YUASA



Bee Technologies Inc.

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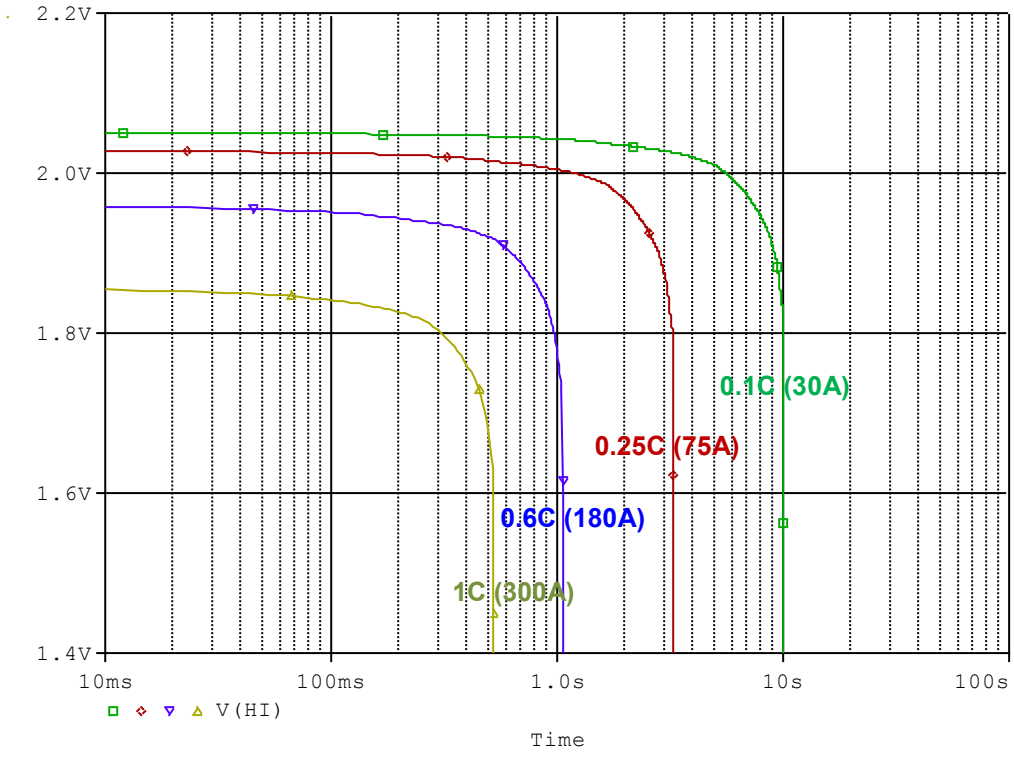
Circuit Configuration



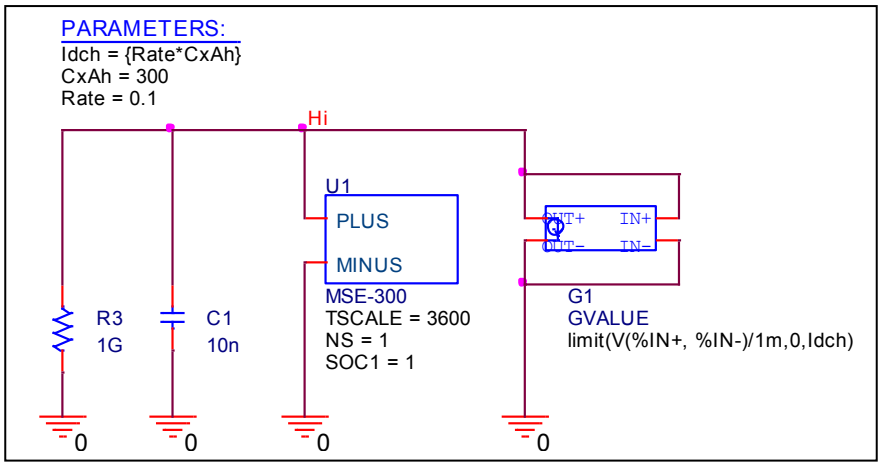
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Discharge Characteristics

Circuit Simulation Result



Simulation Circuit

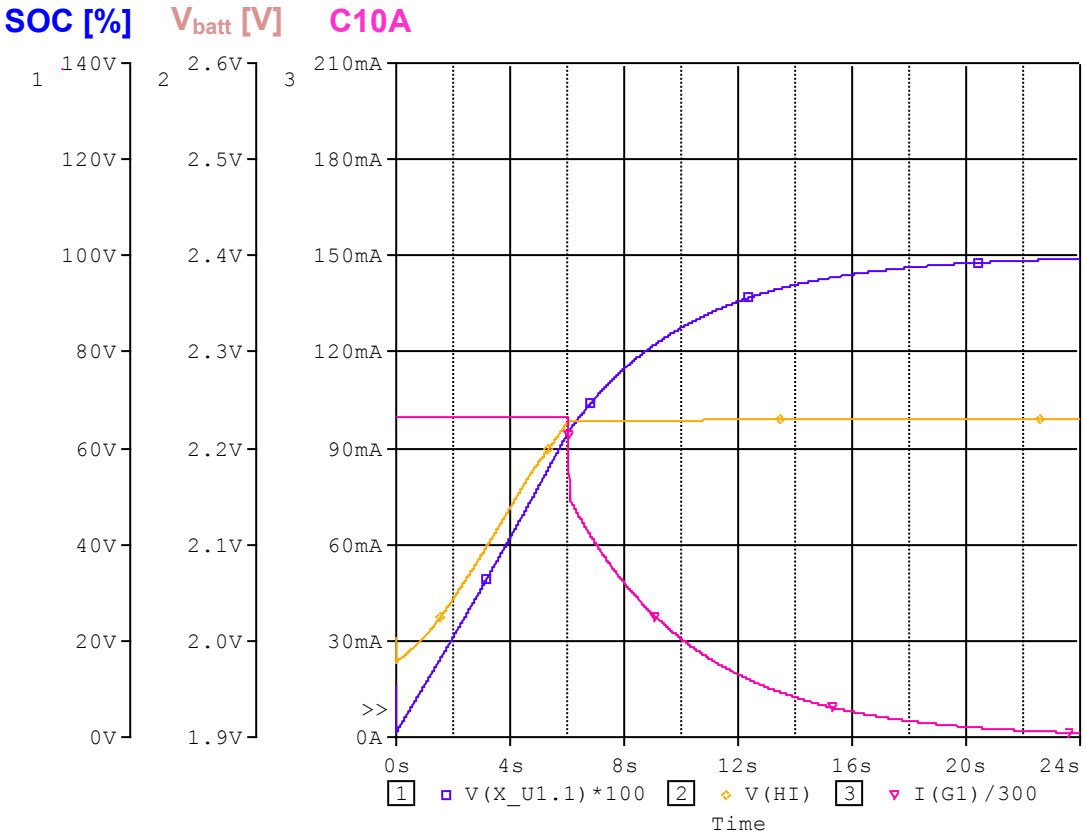


※ To discharge from 100% of battery capacity, SOC1=1

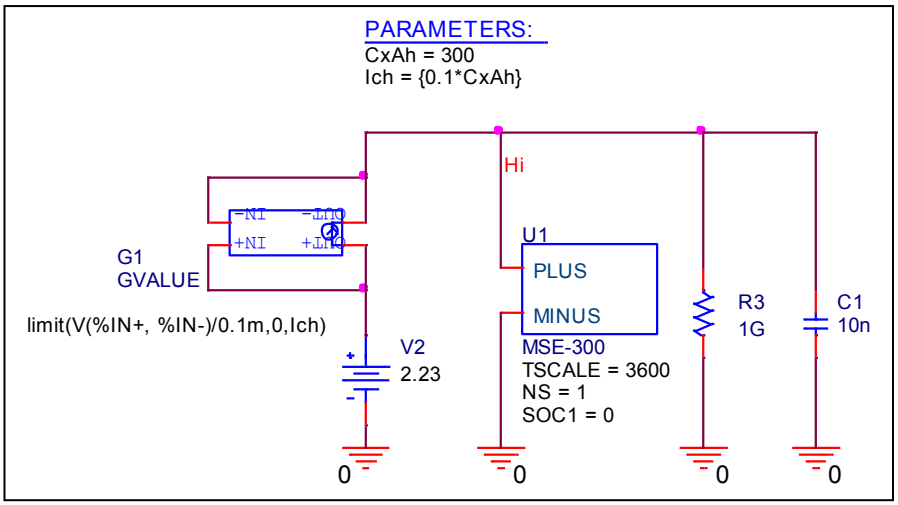
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Charge Characteristics

Circuit Simulation Result



Simulation Circuit



※ To charge from 0% of battery capacity, SOC1=0

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Data Information

No. MSE-300	
Nominal voltage	2.0 [Vdc]
Capacity	300[Ah]@C_{10}, 195[Ah]@C_1
Rated charge	0.1C_{10}A
Input voltage	2.23 [Vdc]
Charging time	24 [hours] @0.1C_{10}A

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